

IN THE CLAIMS:

1. (currently amended) A portable information apparatus comprising: a film liquid crystal device having a pair of flexible substrates spaced apart from one another to define therebetween a gap containing in which liquid crystal, a plurality of first surface portions having a generally curved cross-section, at least one second surface portion having a generally planar cross-section, is injected into a space defined between flexible substrates, and an injection port formed in the second surface portion and through which the liquid crystal is injected into the gap, and a sealing portion disposed on the second surface portion for sealing the injection port; and a holding structure for holding the film liquid crystal device in a curved state while the second surface portion of the film liquid crystal device remains generally planar in cross-section. ~~for the liquid is sealed; are portions in each of which the cross section of the film liquid crystal device has a curvature when a part of the film liquid crystal device is curved with a curvature axis as the vertex; a straight line portion in which the cross section of the film liquid crystal device does not have a curvature when the part of the film liquid crystal device is curved with the curvature axis as the vertex; and a sealing portion formed in the straight line portion for sealing the injection port is sealed.~~

2. (currently amended) A portable information apparatus comprising: a film liquid crystal device having a pair of flexible substrates spaced apart from one another to define therebetween a gap containing in which liquid crystal, a plurality of first surface portions having a generally curved cross-section, at least one second surface portion having a generally planar cross-section, is injected into a space defined between flexible substrates, and an injection port formed in the second surface portion and through which the liquid crystal is injected into the gap, and a connection terminal disposed on the second surface portion for electrically connecting the film liquid crystal device to a circuit block; and a holding structure for holding the film liquid crystal device in a curved state while the second surface portion of the film liquid crystal device remains generally planar in cross-section. for the liquid is sealed; are portions in each of which the cross section of the film liquid crystal device has a curvature when a part of the film liquid crystal device is curved with a curvature axis as the vertex; a straight line portion in which the cross section of the film liquid crystal device does not have a curvature when the part of the film liquid crystal device is curved with the curvature axis as the vertex; and a connection terminal portion through which the film liquid crystal device is connected to the straight line portion.

3. (currently amended) A portable information apparatus according to ~~claim 1, further claim 1; wherein the at least one second surface portion comprises at least two second surface portions having a generally planar cross-section in the curved state of the film liquid crystal device, the sealing portion being disposed on one of the second surface portions; and further comprising a connection terminal disposed on the other of the second surface portions for electrically connecting the film liquid crystal device to a circuit block.~~ comprising a connection terminal portion to which the film liquid crystal device is connected, and wherein the connection terminal portion is provided in the straight line portion.

4. (currently amended) A portable information apparatus according to ~~claim 1, further claim 1; wherein the holding structure comprises comprising a first holding member and a second holding member for holding the film liquid crystal device in the curved state, the film liquid crystal device having a plurality of with being curved, and at least two or more engagement portions extending from respective ones of the first surface portions for engagement with the first holding member. each of which is located in the associated one of top portions of the curved surface of the film liquid crystal device, for carrying out engagement against the first~~

~~holding member, and which are provided in the associated one of the top portions of the curved surface.~~

5. (currently amended) A portable information apparatus according to ~~claim 2, further claim 2; wherein the holding structure comprises comprising~~ a first holding member and a second holding member for holding the film liquid crystal device in the curved state, the film liquid crystal device having a plurality of with being curved, and at least two or more engagement portions extending from respective ones of the first surface portions for engagement with the first holding member. each of which is located in the associated one of top portions of the curved surface of the film liquid crystal device, for carrying out engagement against the first holding member, and which are provided in the associated one of the top portions of the curved surface.

6. (currently amended) A portable information apparatus according to ~~claim 3, further claim 3; wherein the holding structure comprises comprising~~ a first holding member and a second holding member for holding the film liquid crystal device in the curved state, the film liquid crystal device having a plurality of with being curved, and at least two or more engagement portions extending from respective ones of the first surface portions for engagement with the first

~~holding member, each of which is located in the associated one of top portions of the curved surface of the film liquid crystal device, for carrying out engagement against the first holding member, and which are provided in the associated one of the top portions of the curved surface.~~

7. (currently amended) A portable information apparatus according to ~~claim 4~~, wherein claim 4; wherein the first holding member has a stepped portion for receiving holds the film liquid crystal device with the being curved by a ~~stepped portion below the first holding member~~.

8. (currently amended) A portable information apparatus according to ~~claim 5~~, wherein claim 5; wherein the first holding member has a stepped portion for receiving holds the film liquid crystal device with the being curved by a ~~stepped portion below the first holding member~~.

9. (currently amended) A portable information apparatus according to ~~claim 6~~, wherein claim 6; wherein the first holding member has a stepped portion for receiving holds the film liquid crystal device with the being curved by a ~~stepped portion below the first holding member~~.

10. (currently amended) A portable information apparatus according to ~~claim 4, wherein claim 4; wherein the film liquid crystal device has at least two or more projection portions extending from respective first surface portions thereof; and wherein are respectively provided in the top portion of the curved surface when the film liquid crystal device is curved to be held, and in which the first holding member has a at least two trench portion portions for engagement with respective ones of the projection portions of the film liquid crystal device so that a with which the projection portions mate and through which the peripheral portion of the film liquid crystal device is disposed fitted in an attachment portion of the first holding member to part formed on a cylinder curved surface to curve and hold the film liquid crystal device in the curved state.~~

11. (currently amended) A portable information apparatus according to ~~claim 5, wherein claim 5; wherein the film liquid crystal device has at least two or more projection portions extending from respective first surface portions thereof; and wherein are respectively provided in the top portion of the curved surface when the film liquid crystal device is curved to be held, and in which the first holding member has a at least two trench portion portions for engagement with respective ones of the projection portions of~~

~~the film liquid crystal device so that a with which the projection portions mate and through which the peripheral portion of the film liquid crystal device is disposed fitted in an attachment portion of the first holding member to part formed on a cylinder curved surface to curve and hold the film liquid crystal device in the curved state.~~

12. (currently amended) A portable information apparatus according to ~~claim 6, wherein~~ claim 6; wherein the film liquid crystal device has at least two or more projection portions extending from respective first surface portions thereof; and wherein are respectively provided in the top portion of the curved surface when the film liquid crystal device is curved to be held, and in which the first holding member has a at least two trench portion portions for engagement with respective ones of the projection portions of the film liquid crystal device so that a with which the projection portions mate and through which the peripheral portion of the film liquid crystal device is disposed fitted in an attachment portion of the first holding member to part formed on a cylinder curved surface to curve and hold the film liquid crystal device in the curved state.

13. (currently amended) A portable information apparatus according to ~~claim 7, wherein~~ claim 7; wherein the film liquid crystal device has at least two or more projection

portions extending from respective first surface portions
thereof; and wherein are respectively provided in the top
portion of the curved surface when the film liquid crystal
device is curved to be held, and in which the first holding
member has a at least two trench portion portions for
engagement with respective ones of the projection portions of
the film liquid crystal device so that a with which the
projection portions mate and through which the peripheral
portion of the film liquid crystal device is disposed fitted
in an attachment portion of the first holding member to part
formed on a cylinder curved surface to curve and hold the film
liquid crystal device in the curved state.

14. (currently amended) A portable information apparatus according to ~~claim 8, wherein claim 8; wherein the~~
film liquid crystal device has at least two or more projection
portions extending from respective first surface portions
thereof; and wherein are respectively provided in the top
portion of the curved surface when the film liquid crystal
device is curved to be held, and in which the first holding
member has a at least two trench portion portions for
engagement with respective ones of the projection portions of
the film liquid crystal device so that a with which the
projection portions mate and through which the peripheral
portion of the film liquid crystal device is disposed fitted

in an attachment portion of the first holding member to part formed on a cylinder curved surface to curve and hold the film liquid crystal device in the curved state.

15. (currently amended) A portable information apparatus according to ~~claim 9, wherein~~ claim 9; wherein the film liquid crystal device has at least two or more projection portions extending from respective first surface portions thereof; and wherein are respectively provided in the top portion of the curved surface when the film liquid crystal device is curved to be held, and in which the first holding member has a at least two trench portion portions for engagement with respective ones of the projection portions of the film liquid crystal device so that a with which the projection portions mate and through which the peripheral portion of the film liquid crystal device is disposed fitted in an attachment portion of the first holding member to part formed on a cylinder curved surface to curve and hold the film liquid crystal device in the curved state.

16. (canceled).

17. (new) A portable information apparatus comprising:

a film liquid crystal device having a pair of flexible substrates spaced apart from one another to define

therebetween a gap containing liquid crystal, at least one surface portion having a generally planar cross-section, an injection port formed in the planar surface portion and through which the liquid crystal is injected into the gap, and a sealing portion disposed on the planar surface portion for sealing the injection port; and

a holding structure for holding the film liquid crystal device in a curved state while the planar surface portion of the film liquid crystal device is generally parallel with a curvature axis of the film liquid crystal device.

18. (new) A portable information apparatus according to claim 17; wherein the at least one surface portion comprises a first planar surface portion on which the sealing portion is disposed and a second surface portion having a generally planar cross-section and disposed generally parallel with the curvature axis of the film liquid crystal device while the film liquid crystal device is held in the curved state by the holding structure; and further comprising a connection terminal disposed on the second planar surface portion of the film liquid crystal device for electrically connecting the film liquid crystal device to a circuit block.

19. (new) A portable information apparatus according to claim 17; wherein the holding structure comprises a first holding member and a second holding member; and wherein the first holding member has a stepped portion for receiving the film liquid crystal device.

20. (new) A portable information apparatus according to claim 19; wherein the film liquid crystal device has at least one projection extending from a surface portion thereof which does not correspond to the planar surface portion; and wherein the first holding member has a trench portion for receiving the projection of the film liquid crystal device to prevent relative rotation between the first holding member and the film liquid crystal device.